

Title (en)

Polymeric colorants and corresponding ink compositions

Title (de)

Polymerische Farbmittel mit Pigment und Farbstoffkomponenten sowie die entsprechenden Tintenzusammensetzungen

Title (fr)

Colorants polymères contenant des pigments et colorants et leur compositions d'encre correspondantes

Publication

EP 1650269 A3 20070214 (EN)

Application

EP 05256615 A 20051025

Priority

- US 62227604 P 20041025
- US 5800605 A 20050214
- US 23973805 A 20050929

Abstract (en)

[origin: EP1650269A2] A polymeric colorant includes a pigment having a polymer covalently attached thereto, a dye covalently attached to the polymer, and a dispersant covalently attached to at least one of the pigment, the polymer, and the dye, wherein the dye covalently attached to the polymer includes a reactant coupled to the dye and to the polymer.

IPC 8 full level

C09B 69/10 (2006.01); **C09D 11/00** (2006.01)

CPC (source: EP US)

C09B 68/20 (2013.01 - EP US); **C09B 68/44** (2013.01 - EP US); **C09B 69/10** (2013.01 - EP US); **C09C 3/10** (2013.01 - EP US); **C09D 11/30** (2013.01 - EP US); **C09D 11/32** (2013.01 - EP US)

Citation (search report)

- [A] US 2003205171 A1 20031106 - ADAMS CURTIS E [US], et al
- [A] US 5786410 A 19980728 - FOUCHER DANIEL A [CA], et al
- [A] US 4880432 A 19891114 - EGAN LUKE S [CA], et al

Cited by

US7736426B2; EP1739141A1; CN109651877A; EP1958990A1; EP1834997A1; US8021471B2; CN103476808A; CN105061685A; US8573761B2; US10036754B2; US11685835B2; US11390754B2; US8061830B2; WO2008024384A1; WO2007106713A3; WO2008051257A1; WO2018134438A1; WO2016095659A1; US11827661B2; US8106113B2; US11370922B2; US7485728B2; US10865310B2; WO2008027405A3; WO2017214165A1; US11142647B2; US11981820B2; US7732509B2; US10866244B2; US10435563B2; US11084932B2; US11377563B2; US11434377B2

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1650269 A2 20060426; **EP 1650269 A3 20070214**; **EP 1650269 B1 20081001**; DE 602005010022 D1 20081113; JP 2006176756 A 20060706; JP 5138883 B2 20130206; TW 200621915 A 20060701; TW I312361 B 20090721; US 2006089422 A1 20060427; US 8153706 B2 20120410

DOCDB simple family (application)

EP 05256615 A 20051025; DE 602005010022 T 20051025; JP 2005309466 A 20051025; TW 94136483 A 20051019; US 23973805 A 20050929